

ABSTRACT OF THE DISCLOSURE

End-side anastomosis fittings are described which may be deployed over a guidewire, in a sheath, or by feeding the fitting through an opening in a host vessel wall. When a fitting as described is deployed within a host vessel, the exterior surface of the leading petal contacts the interior surface of the host vessel. The leading petal is configured so that it is capable of dilating the host vessel wall opening while being being advanced through the opening. The fitting also includes links which define spaces throughout the leading petal. A deflectable rear petal anchors the fitting within the host vessel once it is advanced through the host vessel wall. Additional petals may be included to provide more complete contact. The fitting also includes extensions fitted around the base to improve hemostasis and the fitting itself may be inserted by a deployment sheath which may also serve as a dilator.